

**Day in the Life of the Hudson River 10/22/19**  
**PIER 4 GANTRY STATE PARK, LONG ISLAND CITY**  
**RIVER MILE (East River): 5.6**

*Salt Front: ~ RM 53*

**Hunter's Point Community Middle School- Meredith Fichman**

**40 students 6-7<sup>th</sup> grade**

**Vanguard High School- Ethel Khanis**

**30 students 10-12<sup>th</sup> grade**

**NYS DEP- Robyn Sanchez**

**Latitude 40.740041 N & Longitude – 73.96151 W**

**Location:** East River, Pier 4, Gantry Plaza State Park, Long Island City, Queens, NY

**Area:** Most southern pier, fishing pier,

**Surrounding Land Use:** 80% Urban; 15% Grassy; 5% Rocky shoreline

**Sampling Site:** Shoreline is rocky with some plants and has piers and piping entering river

**Shoreline:** Riprap

**Sampling time:** 9-2pm

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b><i>Physical</i></b>				
<i>Air Temperature</i>	NR			
<i>Wind Speed:</i>	NR			
<i>Weather today</i>	NR			
<i>Weather the past 3 days:</i>	NR			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (in)</i>	<i>Rate of Tidal Change (cm/min)</i>
	NR			
<i>Current-</i>	<i>Time</i>	<i>Speed</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR			
<i>Water Temperature</i>	9-2pm	16 ° C		
<i>Turbidity- long sight tube</i>	9-2pm	88 cm		
<b><i>Chemical</i></b>				
<i>Salinity- Hydrometer</i>	<i>Time</i>	<i>Chloride ppm</i>	<i>Total Sal. ppm</i>	
	9-2pm		22,000 ppm	
<i>DO – chemets</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9-2pm	16 ° C	5 ppm	
<i>pH – litmus paper</i>	9-2pm	6		
<i>Chlorophyll a</i>	9-2 pm	0.05		